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NPIC/R-235/63

September 1963

PHOTOGRAPHIC INTERPRETATION REPORT

GRANOV IRBM LAUNCH COMPLEX, USSR

DECLASS REVIEW by NIMA/DOD



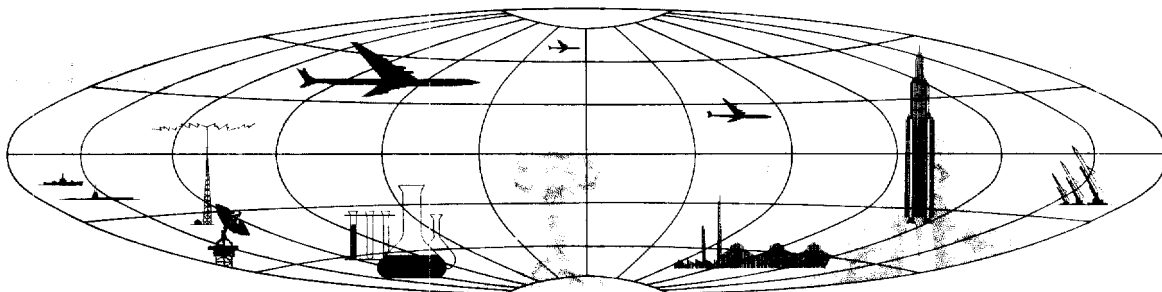
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GROUP 1
Excluded from automatic
downgrading and declassification

GRANOV IRBM LAUNCH COMPLEX, USSR

25X1D
25X1D

LAUNCH AREA NO 1 (TYPE III)

COORDS: 48-56-[REDACTED]N 29-30-[REDACTED]E

REF NO: [REDACTED]

ASSOC AREAS: Launch Area No 2, 6.8 nm to S.

Launch Area No 3, 6.1 nm to NW.

TDI NAME: Granov Launch Site No 1

LOCATION: 4.8 nm NW of Granov

FIRST APPEARED: [REDACTED]

CONSTRUCTION STATUS: Complete [REDACTED]

ADMINISTRATION & HOUSING SECTION: Located 2,600' ESE of site. Seven barracks-type bldgs (135' x 45'), two bldgs (190' x 55'), one (140' x 40'), plus seven smaller bldgs and one parking apron for possible missile-transporting or other equipment

25X1A

25X1D
25X1D

Launch Site

TERRAIN: Level VEGETATION: Wooded

SECURITY: None discernible

PADS: Four elongated pads (200' x 100') with 770' separation and oriented [REDACTED]

READY BLDGS: Four drive-in type (215' x 50')

CONTROL BLDGS: Two (size undetermined), one between the pads of each pair

Site Support Facility

TECHNICAL SECTION: A double-loop road pattern extends to the N of the access road that serves the site. One probable bldg of undetermined size is situated near the center of one of the loops.

Rail-to-Road Transfer Point

Possible railhead 2.5 nm to launch area by improved road.

Other IRBM Activity Within 25 NM Radius Of Launch Area

None.

REFERENCES

25X1D

MAPS: AMS, N501-NM 3, 12
USATC-200, Sheet 0233-18

25X1D

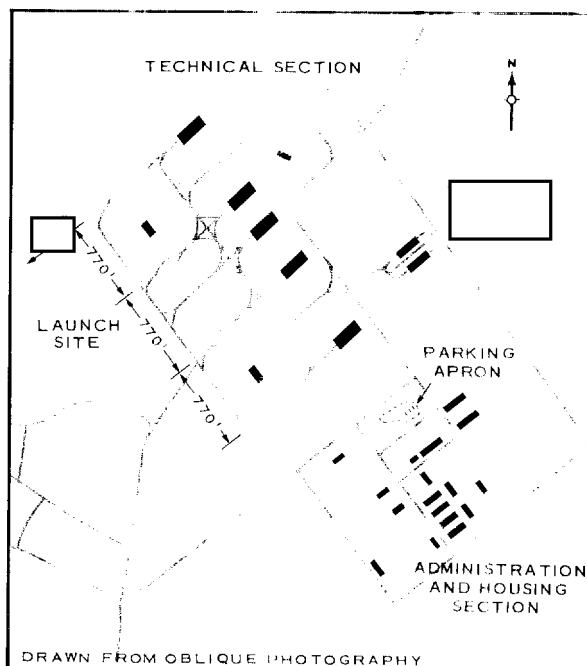
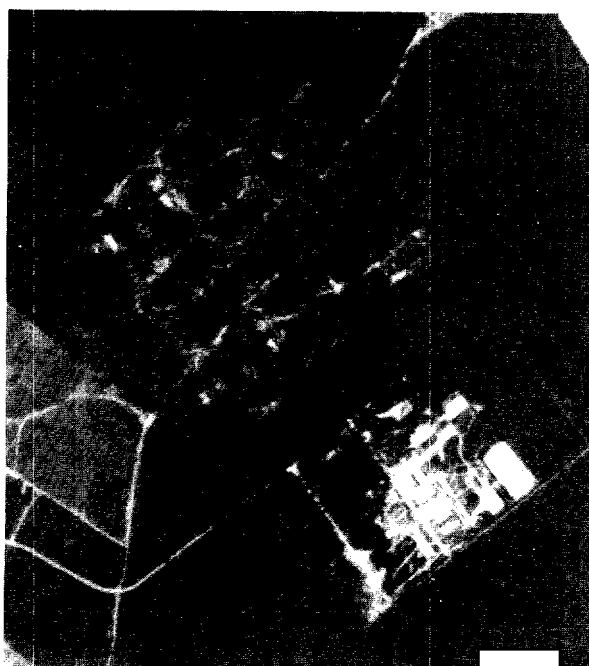


FIGURE 1. GRANOV IRBM LAUNCH AREA NO 1.

NOTE: 11-4669 19/64

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25X1D

25X1A

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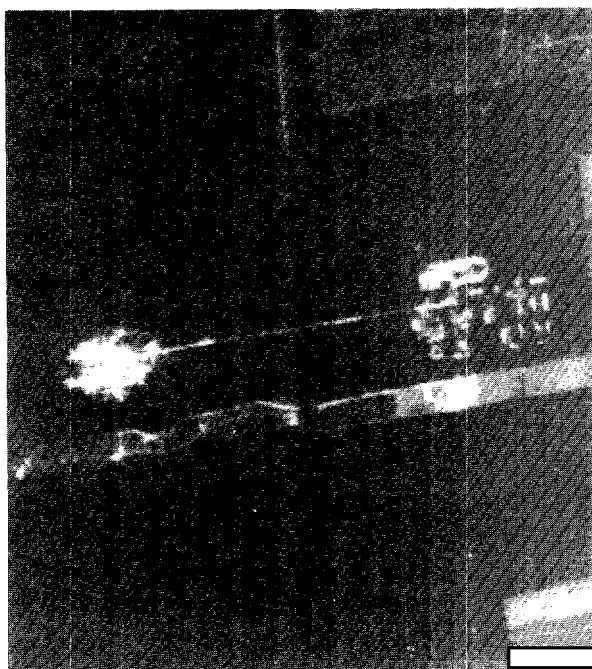
25X1D

LAUNCH AREA NO 2 (TYPE IV)

COORDS: 48-49-☐N 29-29-☐E
 BE NO: ☐
 ASSOC AREAS: Launch Area No 1, 6.8 nm to N.
 Launch Area No 3, 11 nm to NNW.
 TDI NAME: Granov Launch Site 2
 LOCATION: 4.2 nm SW of Granov
 FIRST APPEARED: ☐
 CONSTRUCTION STATUS: Midstage ☐

Launch Site

TERRAIN: Flat VEGETATION: Wooded
 SECURITY: None discernible
 ORIENTATION: 260°
 COMPONENTS: The launch site includes a partially backfilled control bunker (150' x 70'), two forward launch silos (225' apart) and a probable portal silo. The northern launch silo appears complete with only the silo cover apparent. The southern launch silo is not yet backfilled, and its associated equipment bunker is clearly visible. A possible conduit connects the SE corner of the control bunker with the probable portal silo position.



Site Support Facility

TECHNICAL SECTION: None discernible
 ADMINISTRATION & HOUSING SECTION: Located 2,500' E of launch site and contains a loop road with an apron at one end which has a building (180' x 65') adjacent to it, eight barracks (135' x 40'), three bldgs (100' x 55'), one bldg (120' x 55'), and four small bldgs. No helicopter pad was observed.

Rail-to-Road Transfer Point

Possible railhead 9.8 nm to launch area by improved road.

Other IRBM Activity Within 25 NM Radius Of Launch Area

None.

REFERENCES

25X1D

MAPS: AMS, N501-NM 35-12
 USATC-200, Sheet 0943-18

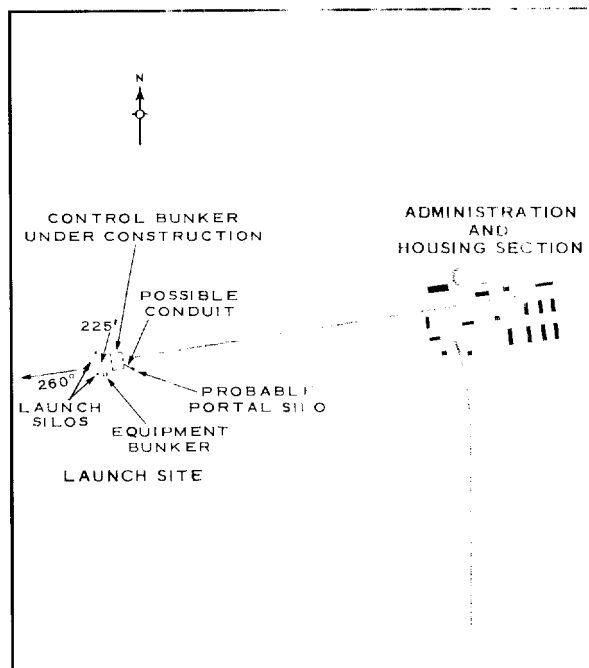


FIGURE 2. GRANOV IRBM LAUNCH AREA NO 2.

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LAUNCH AREA NO 3 (TYPE IV)

COORDS: 48-59-☐N 29-22-☐EBE NO: ☐

ASSOC AREAS: Granov 1, 6.1 nm to SE. Granov 2, 11 nm to SSE.

TDI NAME: Kalnik Launch Site

LOCATION: 10.2 nm NW of Granov

FIRST APPEARED: ☐CONSTRUCTION STATUS: ☐

Launch Site

TERRAIN: Level VEGETATION: Wooded

SECURITY: None discernible

ORIENTATION: 265°

COMPONENTS: The launch site includes a clearing (450' x 360'). A faint rectangular outline (155' x 110'), noted near the center of the clearing, suggests that the control bunker may be in the process of being backfilled. Two dark objects, located 225' apart and just W of the bunker, represent the launch silo, and a third dark object situated 260' E of the southern launch silo marks the position of the probable portal

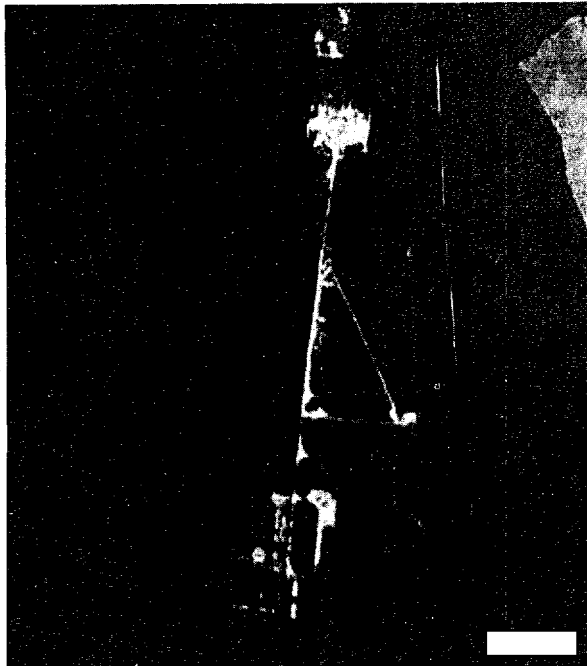


FIGURE 3. GRANOV IRBM LAUNCH AREA NO 3.

silo. A probable construction building is observed just S of the bunker.

Site Support Facility

TECHNICAL SECTION: None

ADMINISTRATION & HOUSING SECTION: Located 2,700' E of site. Four barracks-type bldgs (115' x 40'), six probable smaller bldgs, and a loop road with one possible bldg along western end.

Rail-to-Road Transfer Point

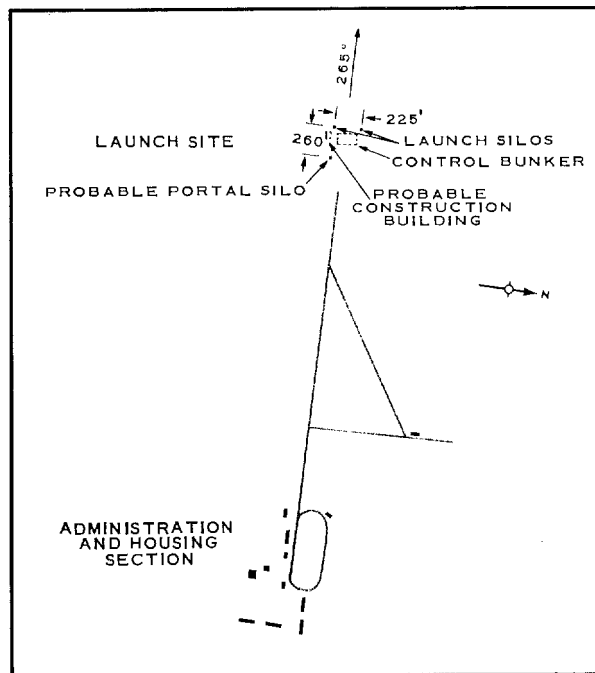
Possible railhead 3.5 nm to launch area by improved road.

Other IRBM Activity Within 25 NM Radius Of Launch Area

None.

REFERENCES

MAPS: AMS, N501-NM 35-12
USATC-200, Sheet 0233-18



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